

8/081/62/000/022/073/088 B166/B144

AUTHORS:

Hevenesi, György, Szekeres, Janos

TITLE:

A method of producing strengthened articles from synthetic

resin and a granular material

PERIODICAL: Referativnyy zhurnal. Khimiya, no.22, 1962, 539, abstract

22P388 (Hungarian patent 148405, Sept. 30, 1961)

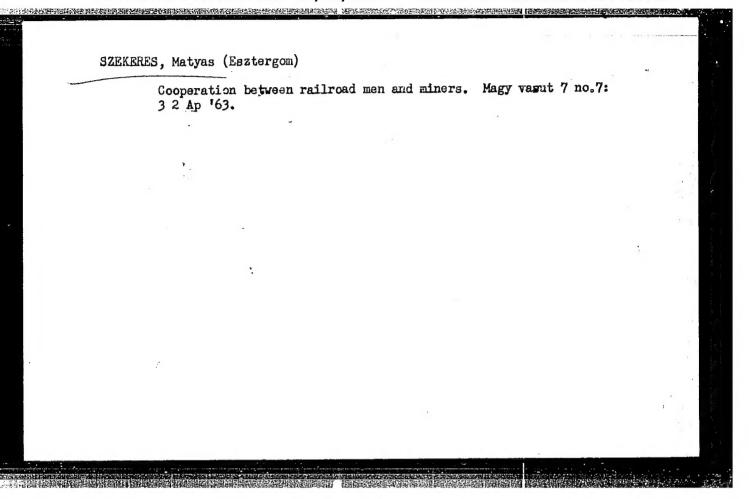
TEXT: In order to strengthen systems consisting of a synthetic resin and a granular material (GM) the surface of the grains is coated with an intermediate layer. This layer adheres more strongly both to the synthetic resin and to the GM than they adhere together directly. intermediate layer (epoxy resin, organometallic compounds of resins produced from them such as metal alcoholates, intracomplex compound of Al and acetoacetic ester, metal phenolates, phenol-formaldehyde resins) is applied directly to the hot GM (MgO, Al203, SiO2, ZrSiO4) whilst being agitated in a solvent, which is afterwards removed. Example. Sand heated $to \sim 220^{\circ}C$ is mixed with a quantity of epoxy resin emulsion such that after Card 1/2

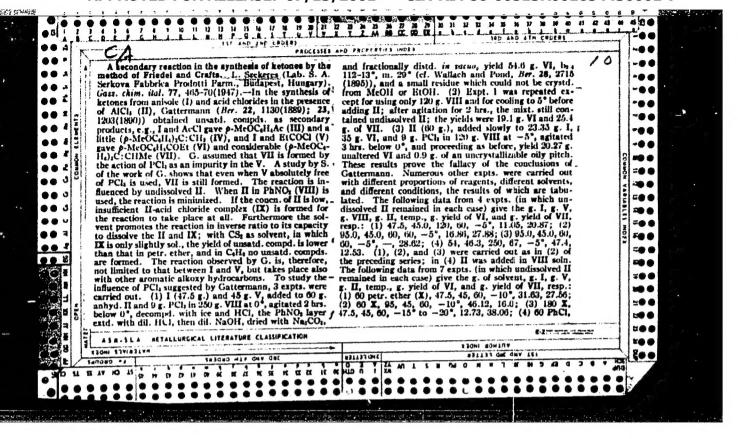
中国大学的种种,但是不是一种的人,但是一个人,但是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个人,也是一个

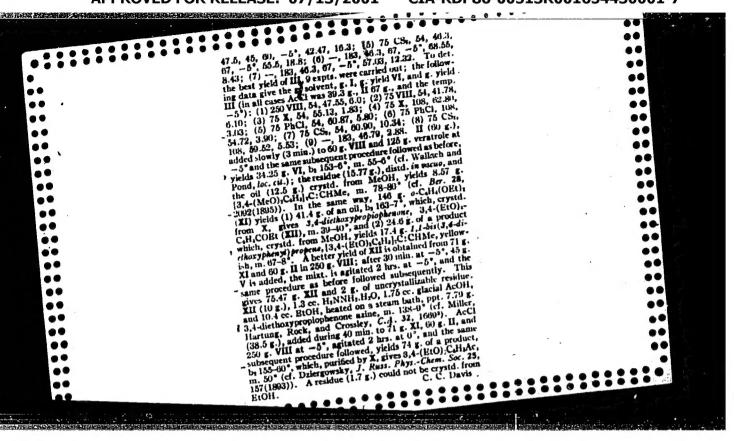
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A method of producing strengthened ... B166/B144

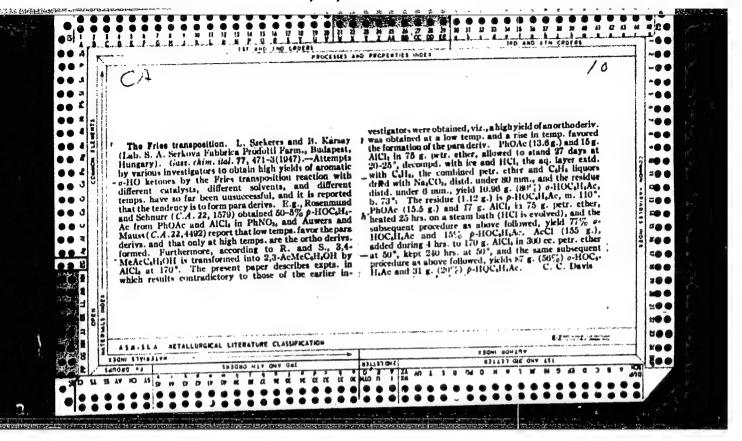
removal of the water the layer, of epoxy resin coating the grains weighs -0.1 % as much as the sand. After the resin has become uniformly distributed, novolac phenol resin amounting to 2.5 - 3 % of the weight of sand is added and is stirred for 2 - 3 min; then hexamethylenamine amounting to 10 % by weight of the phenolic resin is added whilst cooling and stirring vigorously; stirring is continued for a further 5 min. Abstracter's note: Complete translation.

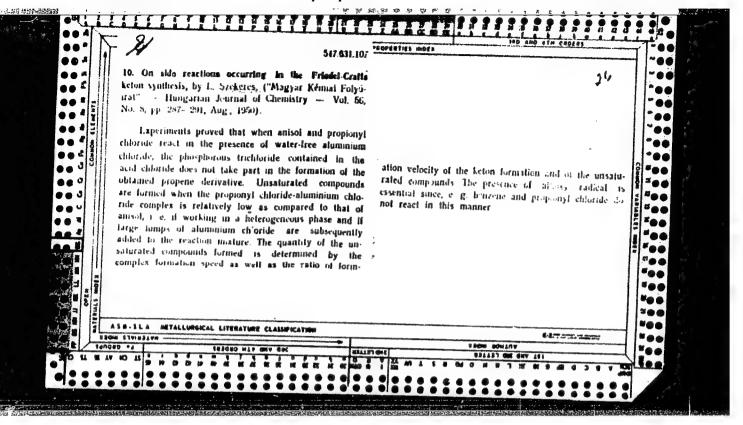
Card 2/2

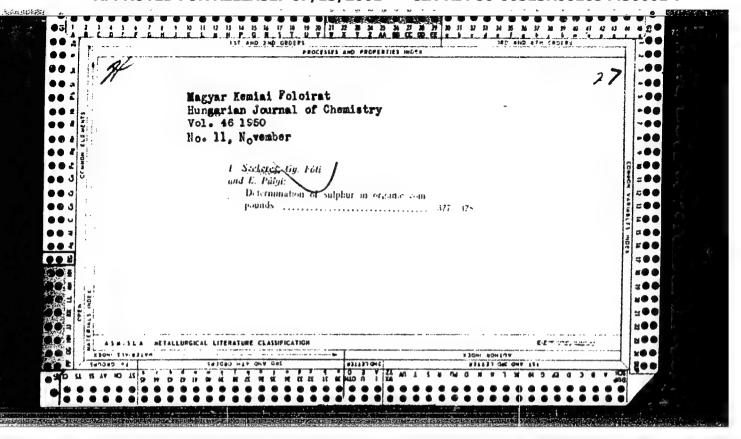












3.4-Bio(p hydroxyphony) hexane derivatives containing nitrogen. I sail Szekeres (Univ. Szeged, Hung.). Megnitz Fim. R. Jobiul 50, 114-20(1950).—Nitration of mesopour Rim. R. Jobiul 50, 114-20(1950).—Nitration of mesopour city and derivation of the mines was a method for producie, and acetylation of the amines was a method for producing inactive and di-J, bis(p-methoxy-m-scelamide-phays) hessaw (I). The selective reduction of meso-derivation of seal, 4-ChN-phays) hessaw (I). The selective reduction of mesa, 4-ChN-phays hessaw (I) which on the method of the nitro groups of the hetanine and hydrogenated. The resulting hyll-deriv, was easily oxidized in the act occupil, which on thermal decompon gave the method and di-Jorns of I. This synthesis also confirms the method and di-Jorns of I. This synthesis also confirms the method and di-Jorns of I. This synthesis also confirms the method of the nitro groups introduced on treatment with 1NOs and the stereochem relations. The following complex were peppl.: di-J, -Bis-p-(d-hydroxy-)-side-complex were peppl.: di-J, -Bis-p-(d-hydroxy-)-side-complex. were peppl.: di-J, -Bis-p-(d-hydroxy-)-side-complex were method in 18.7%, adding with continuous stirring 5 ml. Calla, cooling to 18°, adding with continuous stirring 5 ml. Calla, cooling to 18°, adding with continuous stirring 5 ml. waster and 5 ml. 1NOs (sp. gr. 1.4) over a period of 45 min. waster and 5 ml. 1NOs (sp. gr. 1.4) over a period of 45 min. waster and 5 ml. moving the Calla by distruction the Calla solu. with NaSiCh, reserving 1 hr., removing the Calla solu. with NaSiCh, reserving 1 three with 5-ml. portions of EtOH, and drying at 50°, was obtained. Vurther crystn. of dl-H from EtOAs gave was obtained. Vurther crystn. of dl-H from EtOAs gave phanyl hexane in the nutried socie ster form (III), m. 113-18°, phanyl hexane in the nutried socie ster form (III), m. 113-18°, was obtained. Vurther crystn. of dl-H from EtOAs gave, the mother liquous, dissolving the residue in 30 ml. MeOH in 40 ml. abs. MeOH at 00.9 with 5 ml

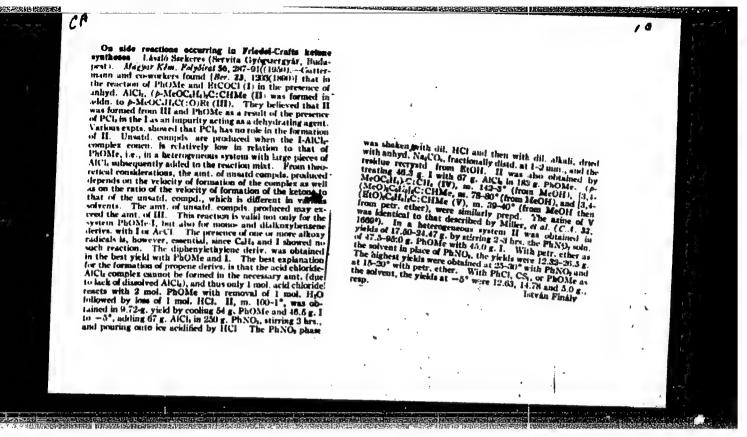
form (IV), m. 107-9°, was obtained in 87% yield by dissolving 10 g. dl-[Et(p-McOCAH₃)CH₃ in 15 ml. warm glacial
AcOH, cooling to 20°, shaking several min. with 10 ml.
HNO₃ (sp. gr. 1.4), adding ice water, kneeding the mass 6
times with 150 ml. water then with 25 ml. C.H., filtering by
suction, washing with C.H., and crystg. 6 times from aba.
R(OH. dl-3, e-Bit(4-mchary-3-aminopheny) herans (V), m.
IR(OH. dl-3, e-Bit(4-mchary-3-aminopheny) herans (V), m.
drogenating a suppression of 5.8 g. IV in 280 ml. ROH with
D.5 g. Pil-on-active C. dl-3, e-Bit(4-methary-3-accionida-

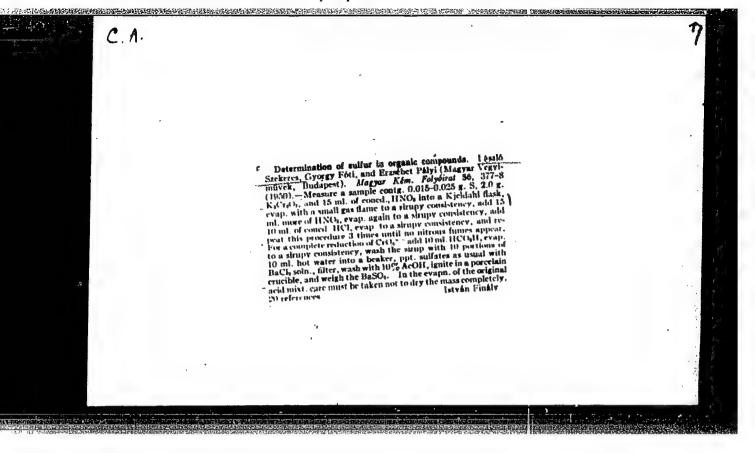
otherwise a maperism of 0.8 g. 19 in 280 ml. EtOH with 0.5 g. Pil-on-active C. dl-3.4-Nii 6-methary-f-acelemide-bhenyl-hexane (VI), m 152-3°, was obtained in 94.7% yield by dissolving 5 g. V in 30 ml. hot Celle, cooling to 20°, carefully adding 3.5 ml. Accio in 10 ml. Celle, boiling 1 hr., refully adding 3.5 ml. Accio in 10 ml. Celle, boiling 1 hr., refully see a cooling the noivent by distar, dissolving the residue in moving the noivent by distar, dissolving the residue in moving the noivent by distar, dissolving the residue in 8 ROH, and pptg. with ether. 4 Methary-3-acetamical and boiling 3 g. VI. 8.7 g. K.MnO., and 7 g. MigSO. 7 KeO in 200 boiling 3 g. VI. 8.7 g. K.MnO., and 7 g. MigSO. 7 KeO in 200 ml. uster until the violet color disappeared, adding 4.8 g. NaHCO., boiling 4-5 min., altering, boiling the residue in 8.10 ml. hot water, filtering, evapg. the countbiased filtrates at plt 9.0 to 25 ml., adding 4CC to plf 3.0, altering, drying the plt 9.0 to 25 ml., adding 4CC to plf 3.0, altering, drying the ppt, and crysig, from McOll. meta-3, 4.8 ml. plt 9.0 ml. 3.8-g. yield by disacving 5 g. meta-basedrol in 200 ml. 3.8-g. yield by disacving to 15°, adding with water and 4 ml. HNO. (sp. gr. 1.42), attring 1 hr. at 16°, adding 100 ml. water, and crysig, from ling with water, EtOH and Calle, drying, and crysig, from McOll. m. 256-8°, suspendent in 150 ml., 00°, B10H in the personnes of hydrated Pd catalyst and 1 ml. 6.0 N HCl in abs. BtOH, ditering, renoving the solvent by distar, dissolving the residue in water, neutralizing with maco. The forwyd deriw, m. 193° (decomps.), of IX was noted. in 0.55 g. yield by adding 20 ml. hot 98% HCO.H.

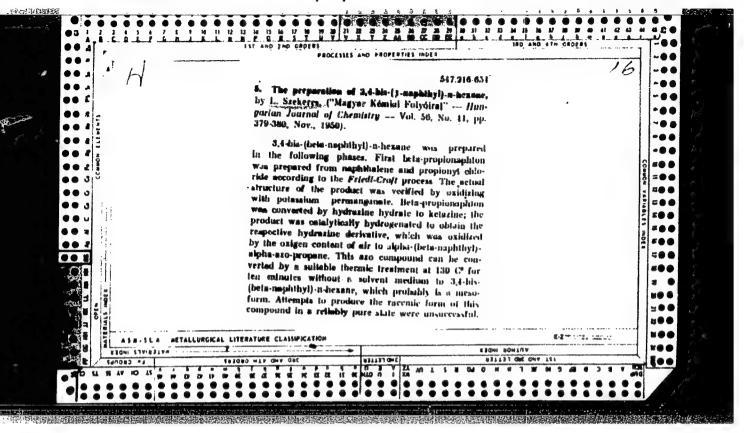
which with AcOH-H-SO, gave 100% 3,3-di-p-tolyt-methyl-ariadole, m. 201° (from RtOH). a.a-Di-p-tolytglycolanilide brominated in AcOH gave p-bromo-m.a-di-p-tolytglycolanilide, m. 151° (from EtOH), which with AcOH-H-SO, gave 100% 3,3-di-p-tolyt-5-bromo-moniadole, m. 235° (from BtOH). Similar treatment of a.a-di-p-tolytglycolanilide gave 100% 3,3-di-p-tolytglycolanide, m. 200-1°, itentical with a specimen preption of the state of the

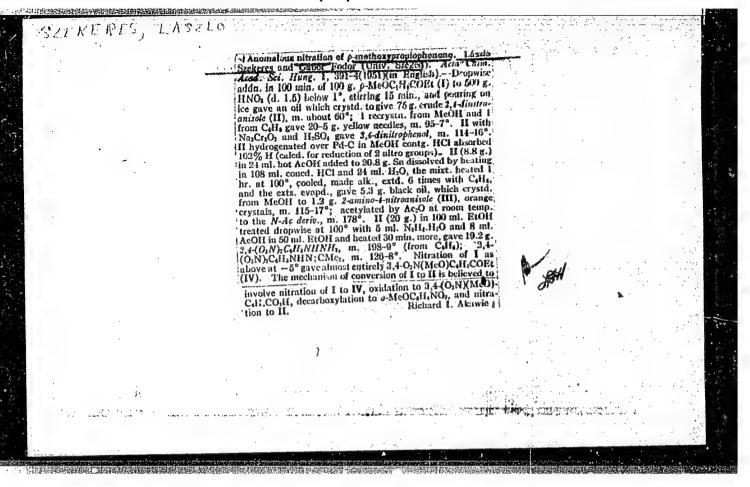
elycolophenetidide, m. 142°, which with AcOH-HeSO, gave 90% 3.3-di-m-lolyt-5-theryoxindole, m. 220° (from EtOH). Similarly Et o-methoxyoxanilate with m-McClifMgBr gave a. a-di-m-lolyt-9-glycolonisidide, m. 165°, which gave 90.4°, 3.3-di-m-lolyt-7-methoxyoxindole, m. 213° (from AcOH), while Et N-2-naphthyloxamate and so-McClifMgBr gave 78.2%, a-di-m-dolyd-5-benestiadele, m. 178° (from EtOH). IX. Intranslevator condensation of aryl amidea of o.o-ditolydrycolie acid. Ibid. 2019-22.—PhNICOCO, Et gave 93.6% a. a-di-o-lolydrycolonible (I), m. 133.5° (from EtOH), while p-BtOC-H-NHCOCO, Et gave 93.6% a. a-di-o-lolyd-p-glycolophentidide (III), m. 151.5° (from EtOH), and 2-CultinHCOCO, Et gave 89.5% N-2-naphthyl-a, a-di-o-lolydrycolomide (Ptym. 137-6° (from AcOH). 1 with AcOH-HisOs gave 93.7%, J.-di-o-tolyd-systemide (Ptym. 137-6° (from AcOH). 1 with AcOH-HisOs gave 95.7%, J.-di-o-tolydrycolomide (Ptym. 147-6° (from AcOH). 1 with acOH-HisOs gave 95.7%, J.-di-o-tolyd-5-bensoniadele, m. 300° (from AcOH). 1 cluthylhCOCO, Et (1.8 g.) treated with RMgX from 24.5 g. o-McCliff gave a product which, treated with 35 ml. AcOH, followed by concel. HsSO, gave-7.5 g. (73.5%) J.J-di-o-tolyd-6,7-bensoniadele, 254° (from AcOH).

A is





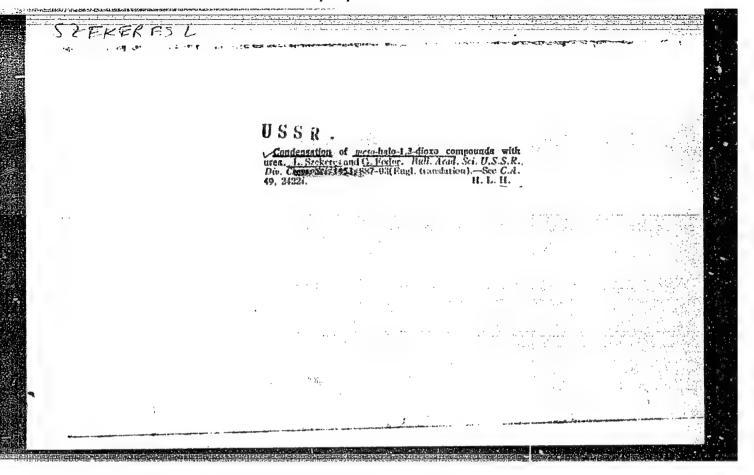


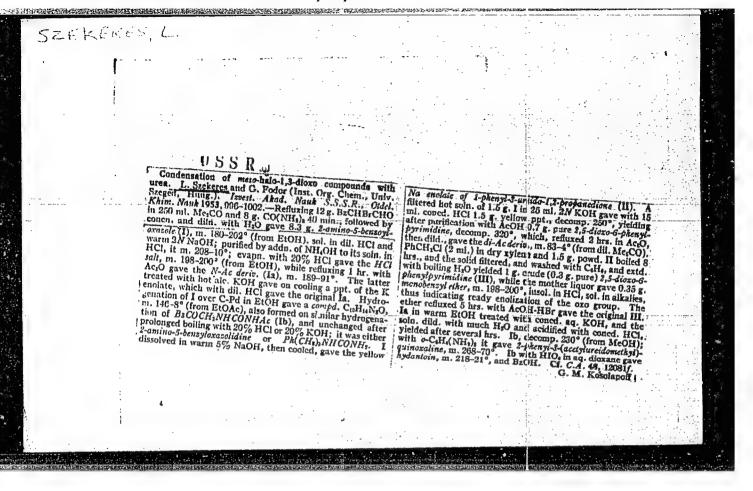


SZEKTEG, L., JONETAVITS, A.,

"Gimple equipment for dilution" p. 300
(KISEPLETES ORVOSTUDOMANY, Vol. 4, No. 4. Aug 1952, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 7, July 1953, Uncl.



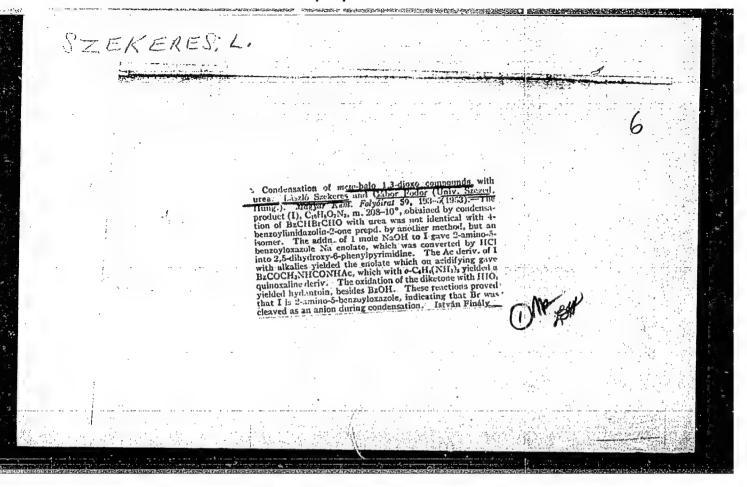


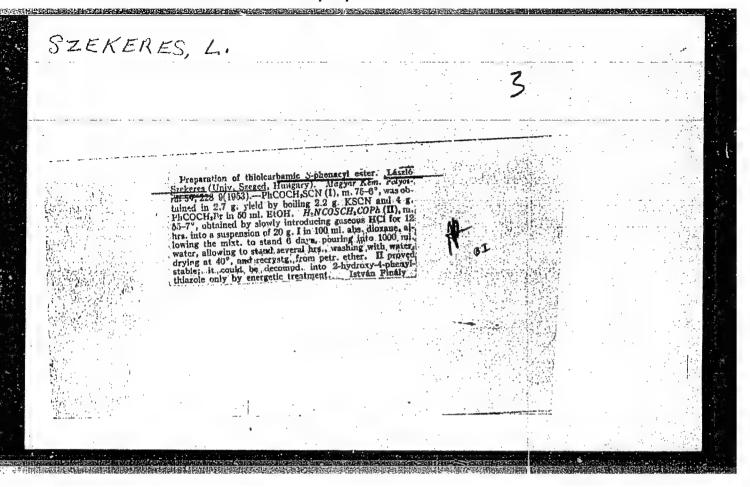
SZEKERES, L.

Hungarian Technical Abst. Vol. 6 No. 1 1954 12. The chemistry of benzene sulfinic acids — Adatok a benzolstulfinsan kémidjához † L. Szekeres and F. Dutka. (Journal of the Hungarian Chamical Society — Magyar Kémikusok Lapja — Vol. 8, 1953, No. 3, pp. 92—93. 4 tabs.)

The authors established that the redox potential values of the benzene sulfonic-benzene sulfinic ion system and of the iodine-iodide lost system are very close to each other. Statements in literature also verify that benzene sulfinic acid can be uxidized with iodine at 95° C. Bromine oxidizes benzene sulfinic acid quantitatively into benzene sulfonic acid and this reaction was found suitable at the same time for the determination of benzene sulfinic acid. It was established, moreover,

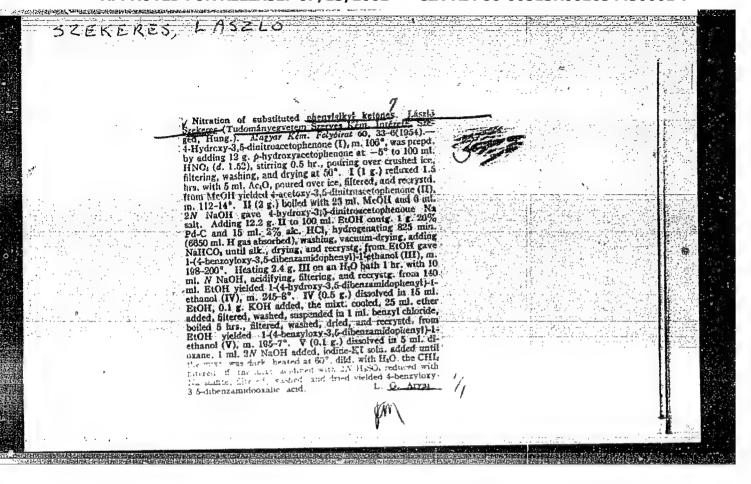
that the sodium salt of benzene sulfinic acid is stable on air, however, oxidation and disproportionation occur in an acid solution. It was proven that not only bromine solutions but bromic acid, potassium permanganate and potassium carbonate solutions can also be measured volumetrically directly with a solution of the sodium salt of benzene sulfinic acid in acid media.

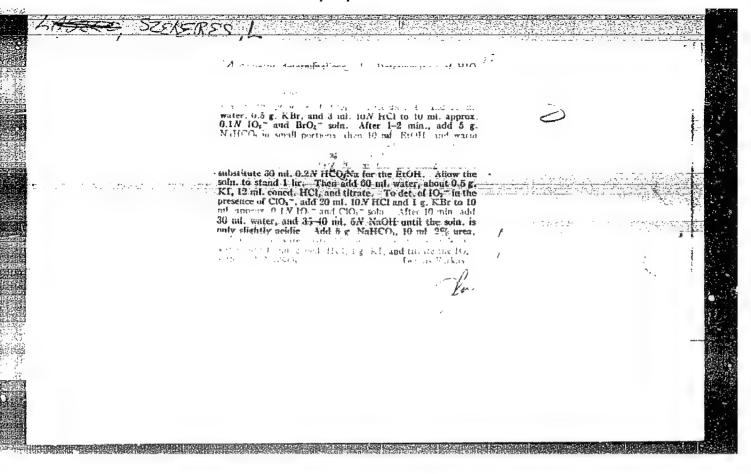


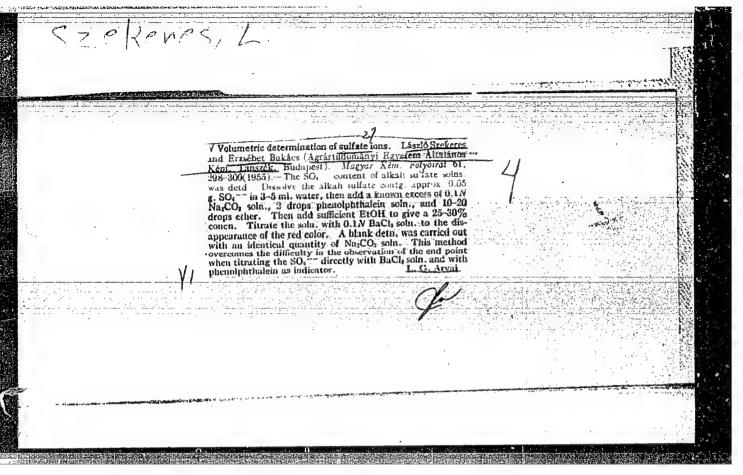


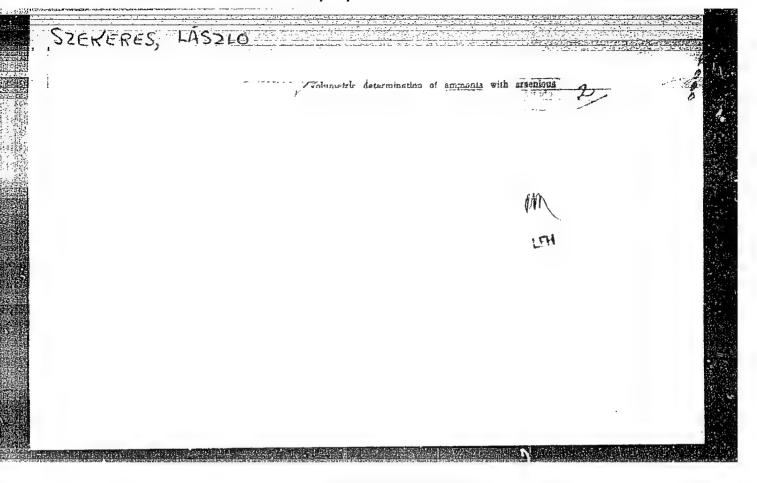
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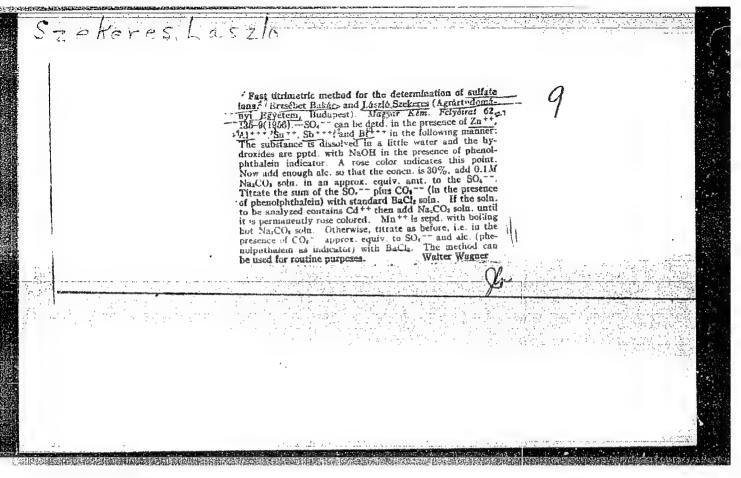
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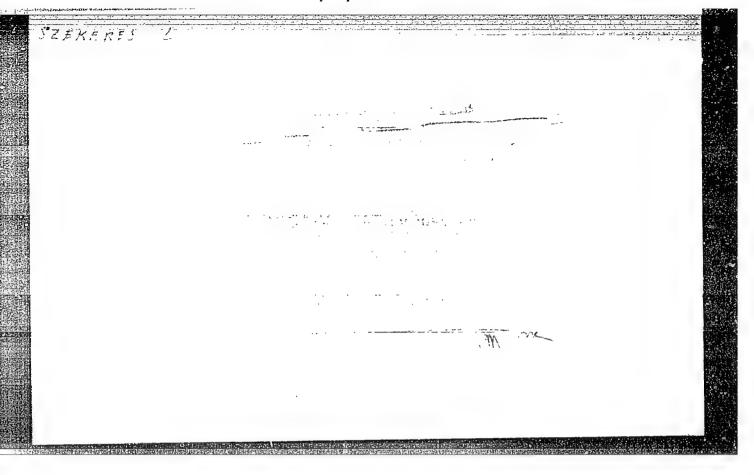


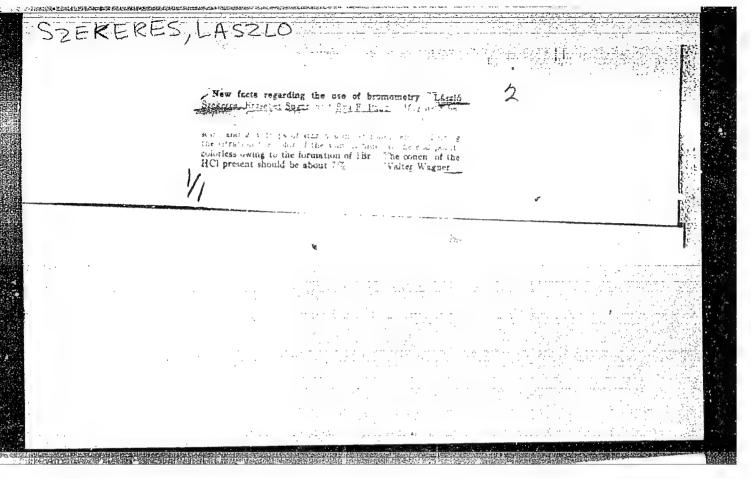












SZEKERES LASZLO

E-2

HUNGARY/Analytical Chemistry - Analysis of Inorg nic Substances.

: Ref Zhur - Khimiya, No 8, 1958, 24 53 Abs Jour

Szekeres Laszlo

Iodometry. III. Determination of Ioo te and Periodate Author Inst

in Presence of Each Other. Title

: Magyar kem. folyoirat, 1957, 63, No 10, 273-275

Orig Pub Description of a method of determination of 172" and

in presence of each other, which is based 1 selective reduction of OI with hydrogen peroxide in the Abstract presence of IO . An aliquot portion of the solu 'n being analyzed (about 10 ml) is made alkaline by a tion of 1-2 g NaHCO , 15 ml of 3% H O are added, the mixture is heated for 10-15 minutes on a water bath, cooled, diluted with water to a definite volume and the total amount

of IO, is determined iodometrically

Card 1/2

E

SEKERISH

HUNGARY/Analytical Chemistry. Ceneral Problems.

Abs Jour: Ref. Zhur.-Khimiya, No 12, 1958, 39293.

Author : Şekeresh, Molnar, Nad,

: Not given. Insta

: A Hydrazinometric Titration. Preliminary Communication. Title

Orig Pub: Magyar Kem. folyoirat, 1957, 63, No 10, 294-295.

Abstract: In the determination of oxidizing agents by the titration of the solution of N2H4.H2SO4, the end point can be established (in addition to the potentiometric method) more easily by the aid of the Iodine-Starch indicator (one drop of the alk. iodine soln. plus one ml of the starch solution). An example is the determination of bromate in the presence of Br ions. During the titration, the solution is colorless because IBr does not react with starch.

: 1/1 Card

2

STRERESH

HUNGARY / Analytical Chemistry. Analysis of Inorganic Compounds.

Abs Jour: Ref Zhur-Khimiya, No 16, 1958, 53407.

Author : Bakach-Polgar, Sekeresh.

: The Determination of Hydroxides of Basic Metals Inst

in the Presence of Carbonates. Title

Orig Pub: Magyar kem. foly oerat, 1957, 63, No 11, 325-326.

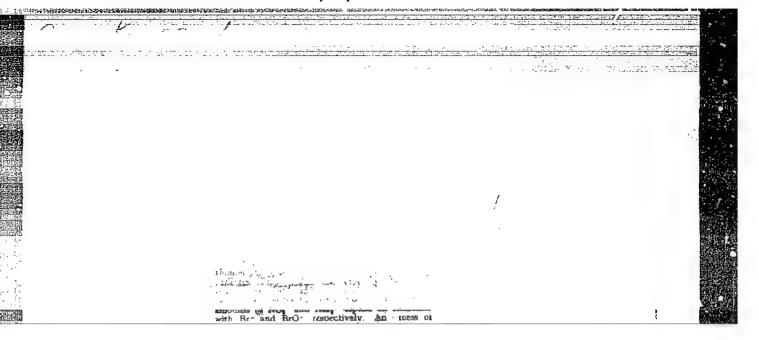
Abstract: The effect of foreign ions was studied in regard to the accuracy in determining hydroxides of basic metals (HBM) in the presence of carbonates. The latter were precipitated with BaCl, and the HBM titrated with a ZnCl2 solution to the

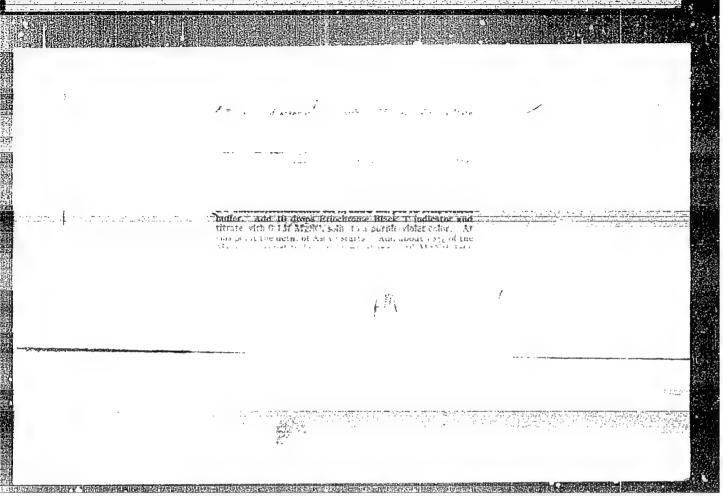
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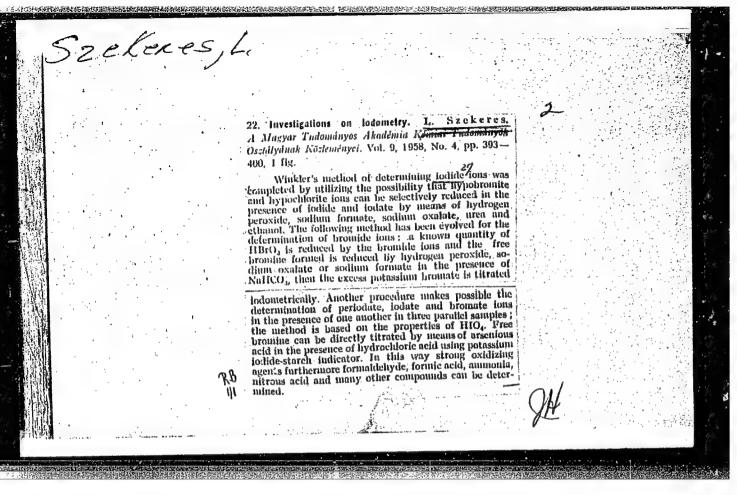
OVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001654430001-7"
HUNGARY / Analytical Chemistry. Analysis of Inorganic APPROVED FOR RELEASE: 07/13/2001 Compounds.

Abs Jour: Ref Zhur-Khimiya, No 16, 1958, 53407.

Abstract: phenolphtalein end point. (RZhKhim., 1957, 69125) It was established that a determination of HBM is not feasible in the presence of F, B, O, and not feasible in the presence of F. B, 07 PO₁3-. The ions Cl⁻, Br⁻, I⁻, ClO₃⁻, BrO₃⁻, IO₃⁻, SO₁2-, CrO₁2-, S₂O₃2-, SO₃2-, NO₂⁻, NO₃⁻, and CH₂COO⁻ do not interfere. It was pointed out that the ZnCl, solution should be added dropwise and near the titration end slowly due to the gradual desorption of the OH ions from the precipitate.







COUNTRY : Hungary E-2

CATEGORY

ABS. JOUR.: AZKhim., No. 1959, No. 86213

AUTHOR : Spekeres, L.; Kardos, E.

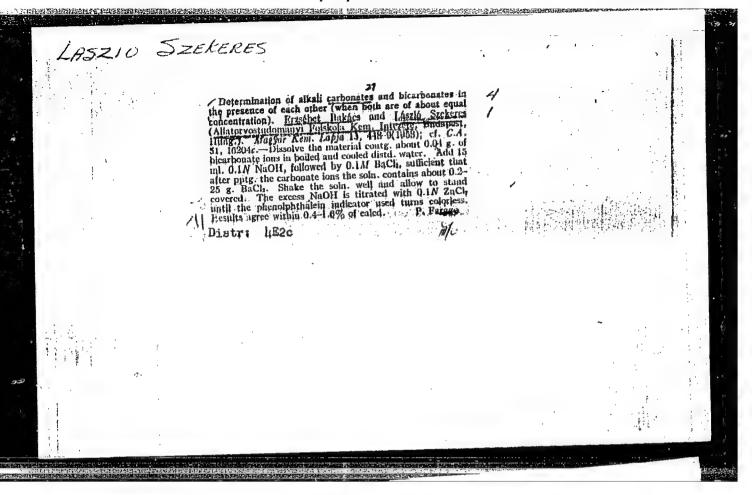
INST. TITLE

Iodometry. VI. Determination of Iodide in the Presence of Bromide and Chloride.

ORIG. PUB.: Magyar kem. lapja, 1958, 13, No 10-12, 447

ABSTRACT: A method has been worked out, according to which I- is oxidized to IO₃- with hypobromite (obtained by adding a solution of Br₂ in 0.1 N KBr containing 3-5 g NaHCO₃), excess hypobromite is reduced with ethanol (5-15 mi) at water-bath temperature; after cooling acidified with HC1-solution, added KI, and liberated I₂ titrated with 0.02 or 0.1 N solution of Na₂S₂O₃. Communication V see RZhKhim, 1959, No 19, 67702. -- I. Krishtofori.

CARD:



HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances.

E-2

Abs Jour

: Ref Zhur - Khiniya, No 2, 1959, 4342

Author

Szekeres, L.

Inst

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Title

The Volumetric Determination of Bromide Ions.

Orgi Pub

: Magyar Kem Folyoirat, 64, No 5, 163-165 (1958) (in

Hungarian with a French surmary)

Abstract

: A new method has been developed for the determination of Br-, based on the oxidation of Br- by excess BrO_ followed by the iodometric determination of the excess BrO_ followed 0.02-0.1 N solution of Br- is treated with 25 ml of 2 N H_2SO_h and 15 ml 0.1 N KBrO_3, the solution is allowed to stand for 15 min, 10 ml of 5 N NaOH and 10 ml of 0.2 N HCOONa are added, the solution is heated over a water bath for 15 min (during which time the OBr- which is formed initially is reduced to Br-), cooled, 20 ml of 2% KI are added together with 15 ml cone H_2SO_h, and the solution

Card 1/2

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HUNGARY/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khimiya, No 2, 1959, 4342

is titrated with 0.05-0.1 N Na₂S₂O₃. The method described can be used in the presence of a large excess of Cl⁻; the presence of I⁻ interferes with the determination. -- I. Krishtofori

SZEKERES, L.

SCIENCE

PERIODICALS: ACTA ZOOLCOTCA. VOL. 61, No. 7/8 July/Aug. 1958

MAGYAR KEMIAI FOLYOIRAT, Vol. 64, no. 7/8, July/Aug. 1958

Szekeres, L. Review of newer titrometric methods by precipatation. p. 232

Monthly list of East European Accessions (EEAI) LC Vol. 8, No. 2 February 1959, Unclass.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001654430001-7

HUNGARY / Analytical Chomistry -- Analysis of inorganic substances.

: Rof Zhur - Khimiya, No 14, 1959, No. 49261 Abs Jour

: Szekeres, L. Author

: The Determination of Some Sulfur Compounds in Inst

Titlo Mxtures

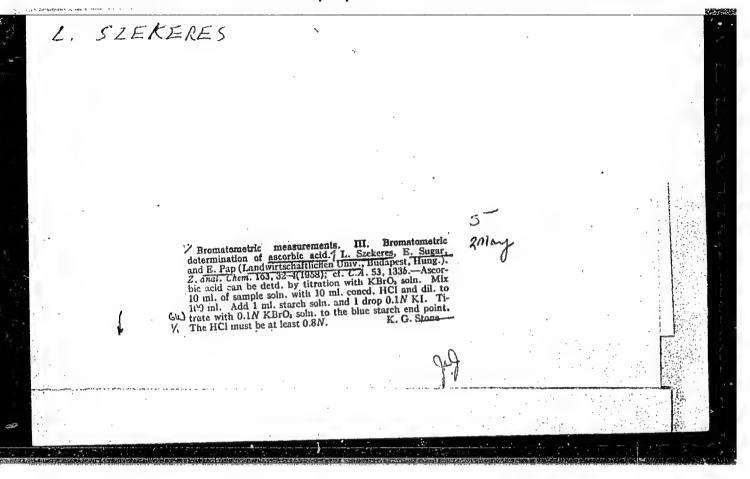
: Magyar Kem Folyoirat, 64, No 9, 357 (1958) Orig Pub

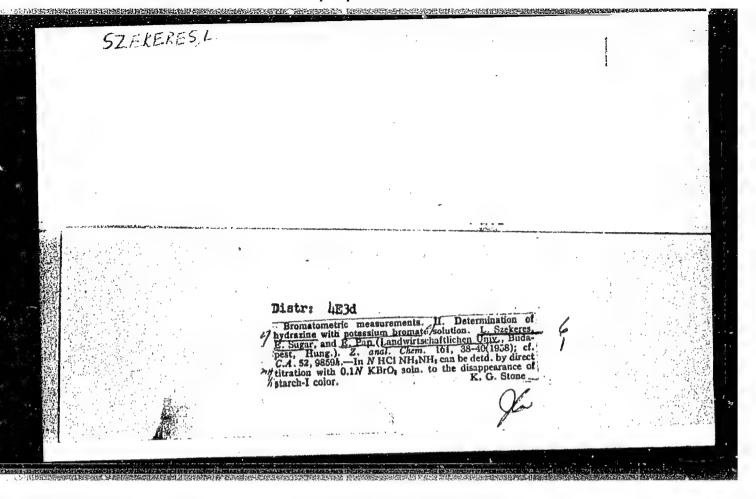
: The author reports on the possibility of determining S2", S₂2", S₂0₃2", and S0₃2" in mixtures by using the Abstract

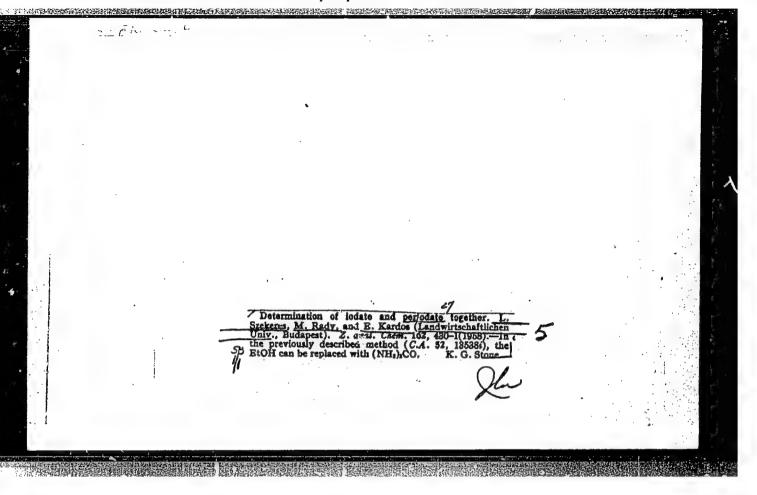
portions of unknown solution. The analysis is based on the fact that the first three of the above ions react with unequal amounts of I2 and Br2 and are oxidized to products of different composition. When an unknown solution containing the above ions is boiled, S from H₂S and H₂SO₃ is removed as SO₂; S from H₂S_x and H₂S₂O₃ can be determined in the solution obtained by exidation

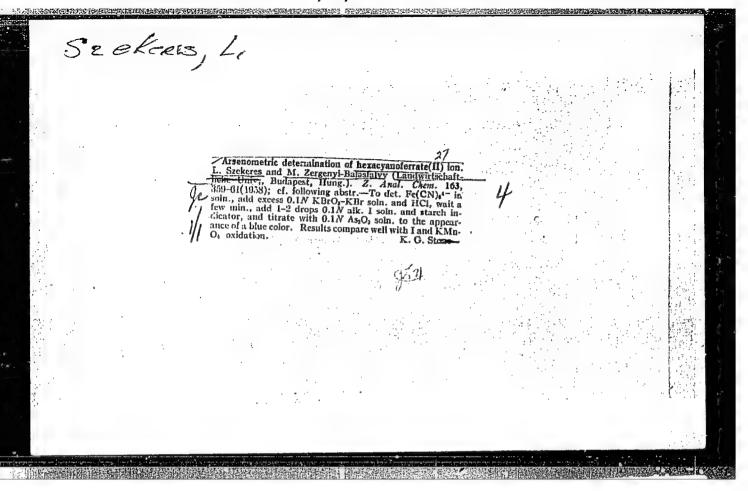
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E-2 g Hungary CONTRIBUT CATFOORY 17535 APS. JAM. : RZKhim., No. 5 1960, No. Szekeres, L. and Rady, M. AUTHOR 1 Iodometry. VII. The Determination of Iodide in INST. TITLE the Presence of Arsenate. ORIG. PUB. : Magyar Kem Lapja, 14, No 6, 249-250 (1959) * The authors have established that in 0.5-0.8 N H₂ SC, I reacts only with IO, and the AsO, remains unchanged. A method for the determination of I in the presence of AsO, has been developed ABSTRACT on the basis of this observation. The I is subjected to an initial oxidation with hypobromite (a solution of Br2 containing KBr and NaHCO3), the excess oxidizer is reduced with ethanol or with $H_2 O_2$ (urea, sodium formate, or sodium oxalate are also suitable as reducing agents), the solution 100 OARD: 1/2

CIA-RDP86-00513R001654430001-7 "APPROVED FOR RELEASE: 07/13/2001

SZEKERES, L.

HUNGARY/Analytical Chemistry - Inorganic Analysis.

Abs Jour

: Ref Zhur Khimiya, No 20, 1959, 71222

Author

Bakacs - Polgar, E., Szekeres, L.

Inst

Title

The Determination of Alkali Metals: Bicarbonates and

Carbonates in Mixtures

Orig Pub

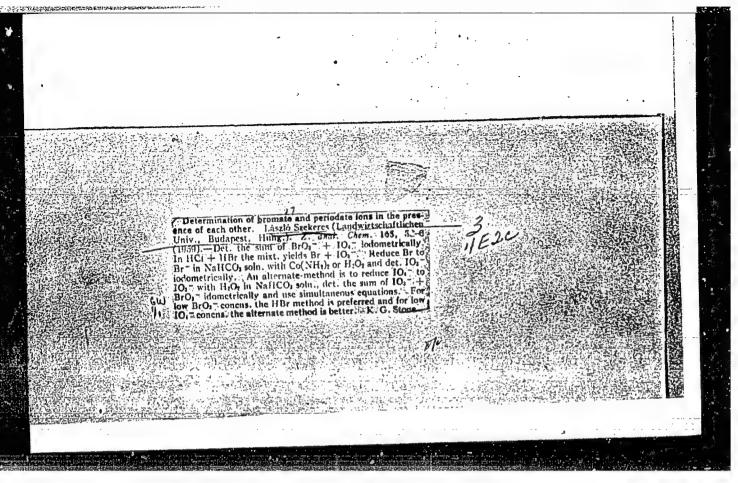
: Pharmaz. Zentralhalle, 1959, 98, No 1, 3-5; Maguar ken, lapja, 1958, 13, No 10-12, 448-449

Abstract

To determine bicarbonates and carbonates of alkali metals the analyzed mixture, containing ~ 0.04 g HCO3", is dissolved in 3-5 ml of freshly boiled and cooled water, 15 nl 0.1 N NaOH (to convert HCO3" to CO3) and an excess of O.1 M BaCl2 solution (consisting of 0.25 g Bacl2) are added, the mixture is agitated and allowed to stand for 3-5 minutes, a few drops of alcoholic phenothalein solution are added and the excess NaOH is titrated with 0.1 N ZnCl2

Card 1/2

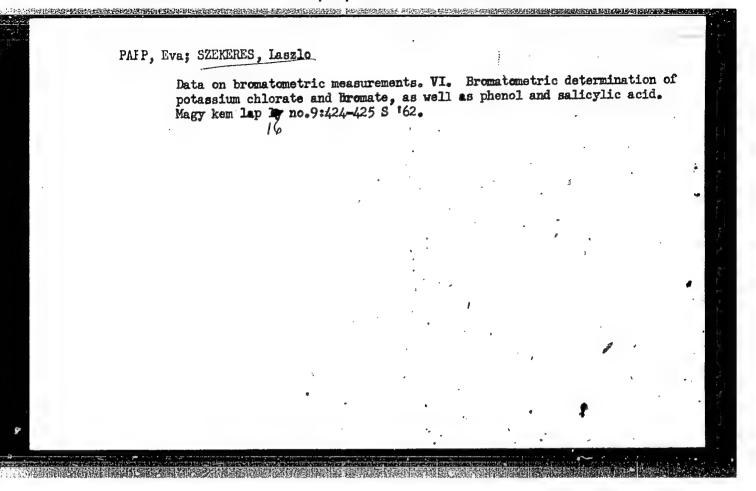
- 2 -



BAKACSNE POLGAR, Erzsebet; SZEKERES, Laszlo

Determination of phosphate and rul fate ions in the presence of metal impurities with special regard to fertilizers. Magy kem lap 15 no.10:460-462 '60.

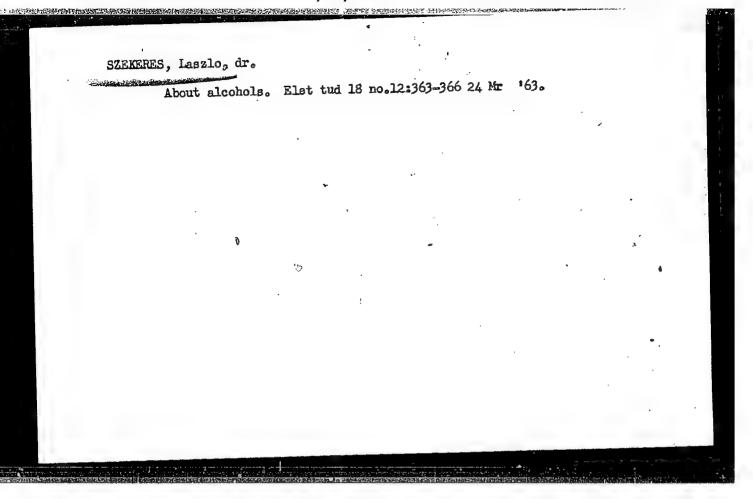
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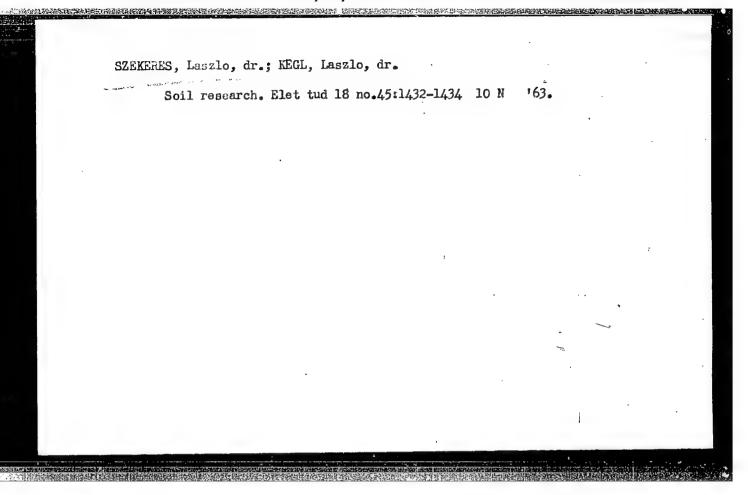


SZEKERES, Laszlo; SUGAR, Erzsebet

Data on the determination of hydrogen sulfide (pyrosulfide)-, thiosulfate and tetrathionate-ions in presence of each other. Magy kem lap 16 no.9:434-435 S '61.

1. Agrartudomanyi Egyetem Kemiai Intezet.

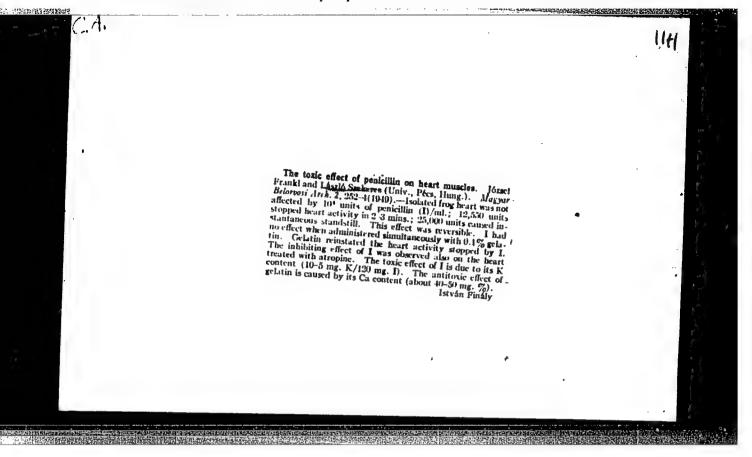




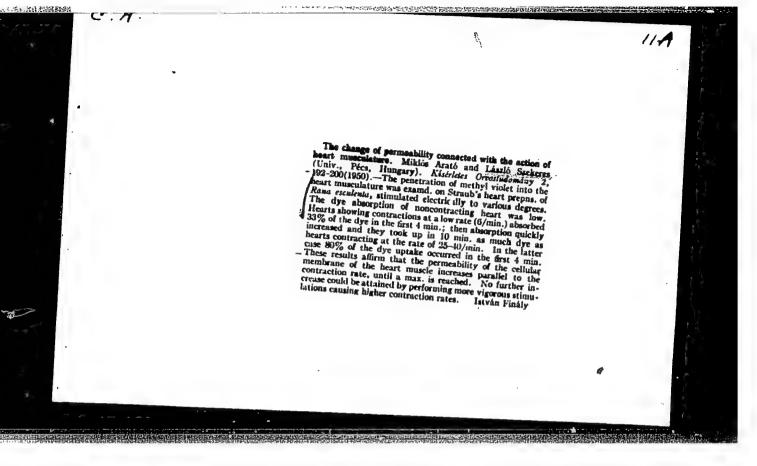
SZEKERES, Laszlo; KARDOS, Etelka

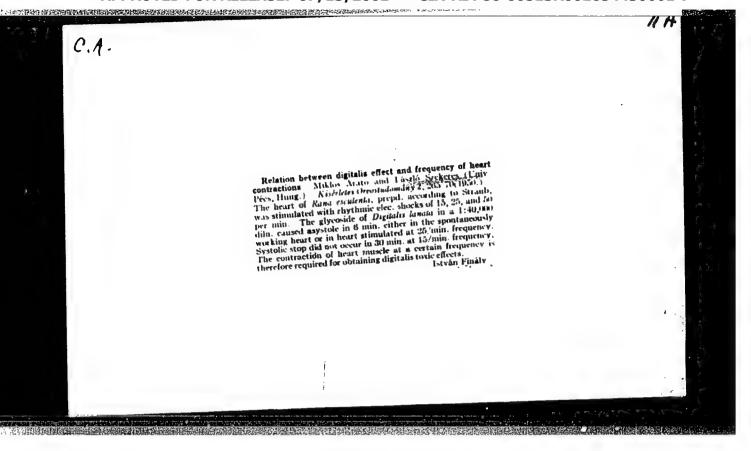
Data on the examination of arsenate-containing plant protectives. Magy kem lap 18 no.12:617-619 D *63.

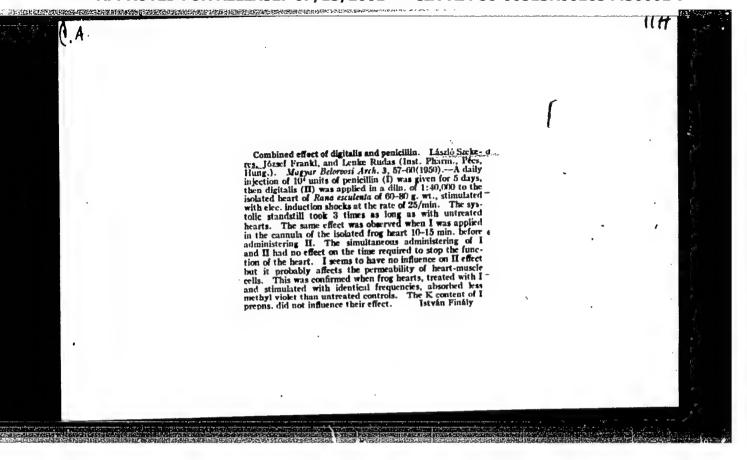
1. Allatorvostudomanyi Egyetem Kemiai Intezete.











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(Pharmacol. Inst. U. of Pecs.)

"Vagal Action of the Cardiac Glucosides."

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(acta physiologica, Budapest, 1951 2/1 suppl. (23-24) no abst. in Exc. Med.

SZEKERS, L.; ARATO,M.; KOVACSICS, J.

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1. Pharmaceutic Institute, Pecs University.

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Effect of folic acid on experimental anemia. Kiserlates Orvostud. 3 no. 5:357-362 1951. (CLML 21:3)

1. Doctors. 2. Institute of Pharmaceutics, Pecs Medical University.

?

SZEYERES, L

Szekeres, L.; Mehes, Gy.; Kovacsics, J.

"Cardiac Disturbances Caused by Caffeine." p. 58 (Acta Physiologica. Supplement to v. 4, 1953, Budapest)

SO: Monthly List of East European Accessions. Vol 3 No 6 Library of Congress, Jun 54, Uncl.

SZEKERIS L., FALLER J., VARGA F.

Pharm. Inst., Med. Univ., Pecs. *Wirkung von 02 -Mangel und CO2 auf die Kontraktilität und Reizbildung einzelner Herzteile. Effects of oxygen lack andcarbon dioxide on the contractility and impulse formation in individual regions of the heart ACTA. PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (60-61)

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SZEKERES, L.; FALLER, J.; TOROK, T.

Energy-rich phosphorus compounds of the heart muscle during hypothermia. Acta physiol. hung. Suppl. no.6:99-100 1954.

1. Pharmakologisches Institut der Medizinischen Universitat, Pecs. (ADENYLPYROPHOSPHATE, metab.

myocardium, eff. of hypothermia in rats)

(BODY TEMPERATURE

hypothermia, exper., eff. on ATP & phosphocreatine metab.

in rat myocardium)

(COENZYHES

phosphocratine, metab. in rat myocardium, eff. of

hypothermia) (MYOCARDIUM, metab.

ATP & phosphocreatine, eff. of hypothermia in rats)

SZEKERES, L.

The effect of hypozia on vagus and acetylcholine sensitivity of mammalian heart. Acta physiol. hung. 6 no.1:109-112 1954.

1. Pharmakologisches Institut der Medizinischen Universitat, Pecs.

(ANOXIA, exper.

eff. on vagus & acetylcholine sensitivity of isolated
cat heart)
(HEART, physiol.

acetylcholine & vagus sensitivity, eff. of hypoxia in
dogs & cats)
(ACETYLCHOLINE, physiol.

heart sensitivity, eff. of exper. hypoxia in dogs & cats)
(NERVES, VAGUS, physiol.
heart sensitivity, eff. of exper. hypoxia in dog & cat)

MEHES, G.; SZEKERES, L.; KOVACSICS, J.; VARGA, F.

Heart injury caused by caffeine after single and chronic administration. Acta physiol. hung. 6 no.1:113-121 1954.

1. Pharmakologisches Institut der Medizinischen Universitat, Pacs. (HEART, eff. of drugs on caffeine, eff. of single massive dose & prolonged small dose in guinea pigs)

(CAFFRIME, tox.

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Production of experimental myocarditis with streptococcal toxin or with A-hemolytic streptococci. Acta med.hung. 7 no.1-2: 115-122 1955.

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(MYOCARDITIS, experimental, prod. with streptoc. toxin & with β-hemolytic streptoc.)
(STREPTOCOCCUS, toxin, prod. of myocarditis)

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Vagus effect of cardiac glycosides in manmals. Kiserletes orvostud. 7 no.3:305-313 May 55.

1. Pecsi Orvostudomanyi Egyetem Gyogyszertani Intezete. (CARDIAC GLYCOSIDES, effects, in situ & in vitro)

SZEKERES IASZIO; RANHIDI FERENC; LENARD GERGELY; SOTI JENO

Effect of caffein on the metabolism of normal and hypoxic heart muscles.

Kiserletes orvostud. 10 no.2-3:128-133 Apr-June 58.

1. Pecsi Orvostudomanyi Egyetem Gyogyszertani Intezete.

(HSAMT, eff. of drugs on caffein on metab. of normal & anoxic myocardium (Hun))

(CAFFEIN, eff.

on metab. of normal & anoxic myocardium (Hun))

Simple equipment for the artificial respiration of small animals.

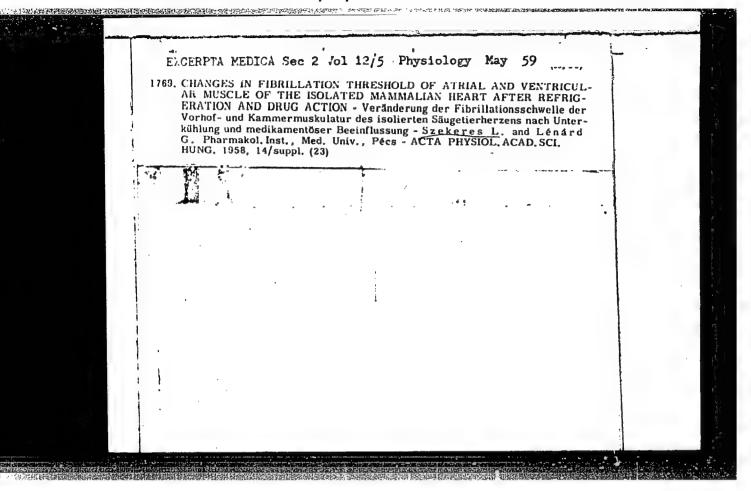
Kiserletes orvostud. 10 no.2-3:316-317 Apr-June 58.

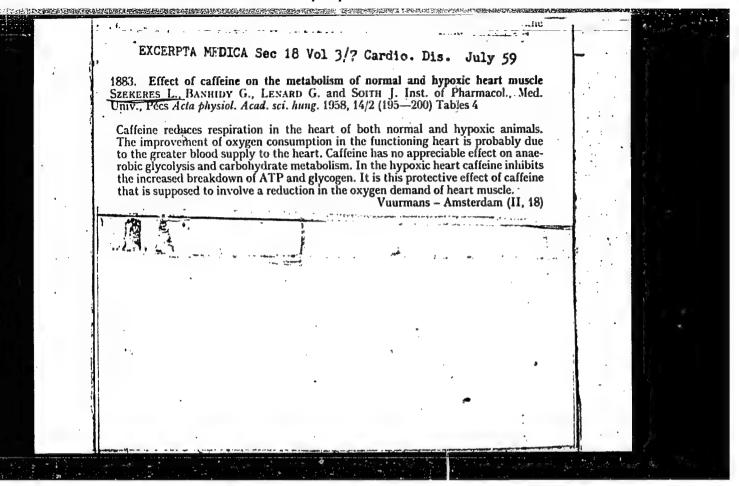
1. Pecsi Orvostudomanyi Egyetem Gyogyszertani Intezete.

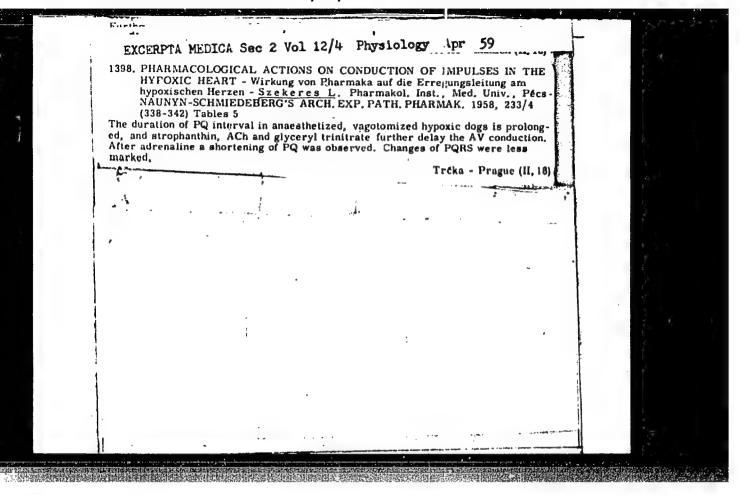
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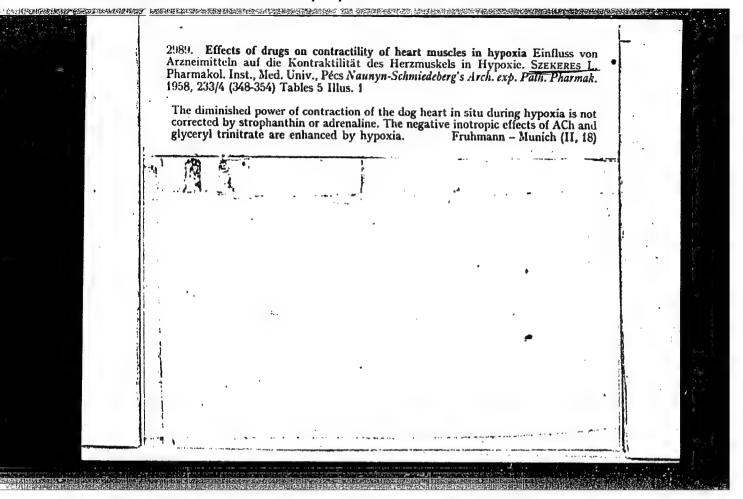
equipment for artif. resp. of small laboratory enimals (hun.))

(RESPIRATORS
same)









SZEKERES, L.; LICHNER, G.

Comparative study on the metabolism of the right and left heart ventricles. Acta physiol. acad. sci. hung. 21 no.3:243-247 162.

1. Institute of Pharmacology, Medical University, Pecs. (MYOCARDIUM) (CARBOHYDRATE METABOLISM)

HUNGARY

PAPP, J., and SZEKERES, L., of the Institute of Pharmacology, Medical University, Pecs [Original version not given].

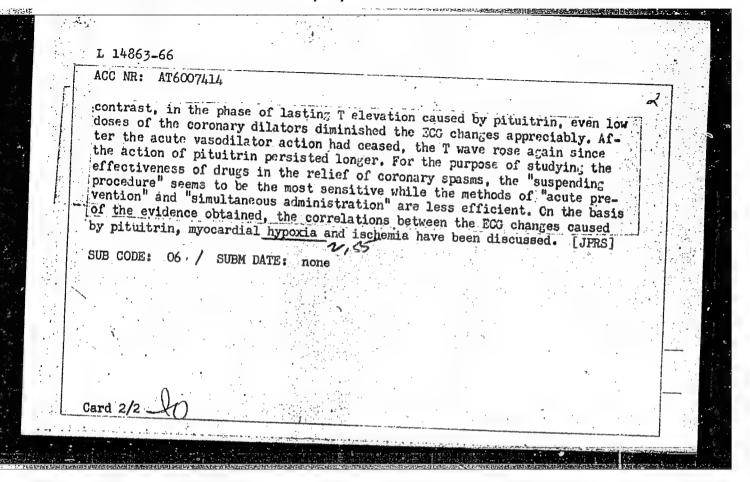
"Regulation of the Fibrillatory Tendency of the Heart in Hypoxia"

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Supplement to Vol 22, 1963; p 11.

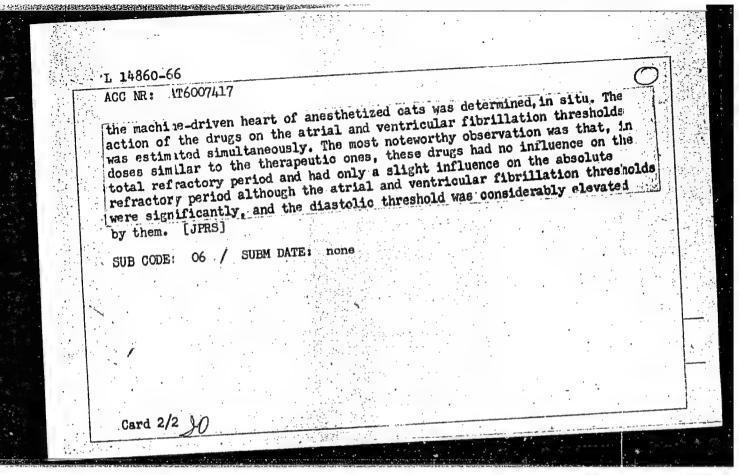
Abstract [Authors' English summary, modified]: The correlation between arterial hypoxia and the tendency to atrial and ventricular fibrillation has been studied following total or partial elimination of the nervous control of cardiac activity. It was found that a hypoxia of the central nervous system is responsible in the first place for the increase in the tendency to fibrillation in hypoxia, through stimuli reaching the heart by vagal mediation. In chronic hypoxia the tendency to fibrillation is decreased, presumably as a result of an exhaustion of nervous centers.

1/1

SCTB DD EWT(1)/FS(v)-3 L 14863-66 SOURCE CODE: HU/2505/65/026/00X/0031/0032 ACC NR: AT6007414 Papp, G.; Szekeres, L. AUTHOR: ORG: Institute of Pharmacology, Medical University of Pecs (Pecsi Orvostudomanyi Egyetem, Gyogyszertani Intezet) TITLE: Relief of coronary spasm in unesthetized rabbits [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964] SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, TOPIC TAGS: rabbit, circulatory system, EKG, drug effect, hypoxia, animal physiology ECG changes were induced by i.v. injection of pituitrin in order to test the ability of drugs to relieve coronary spasms so induced, and also to obtain information concerning myocardial blood flow and oxygenation in unesthetized animals. It was found that previous or simultaneous treatment with nearly toxic doses of classical coronary dilators had only a moderate influence on the ECG changes. In Card 1/2



L 14860-66 EWT(m) ACC NR: AT6007417 SOURCE CODE: HU/2505/65/026/00X/0033/0033 AUTHOR: Szekeres, L.; Papp, G. ORG: Institute of Pharmacology, Medical University of Pecs (Pecsi Orvostudomanyi Egyetem, Gyogyszertani Intezet) TITIE: Mode of action of antiarrhythmic drugs [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, TOPIC TAGS: drug effect, pharmacology, rabbit, circulatory system, cat, animal physiology ABSTRACT:
The effect of 5 arrhythmic drugs of different chemical structures was rabbits. In the present experiments, In the course of earlier studies studied on the isolated heart of rabbits. In the present experiments, the action of these drugs (quinidine, ?procaine, papaverine, dibenamine and procaine amide) on the refractory period, excitability and conduction on Card 1/2



L 43021-66 ACC NR: AT6031831 HU/2505/65/026/003/0277/0286 SCURCE CODE: 16 AUTHOR: Szekeres, Laszlo-Sekeresh, L.; Papp, Gyula-Papp, D. P.+1 ORG: Institute of Pharmacology, Medical University of Pecs, Pecs (Pecsi Orvostudomany) Egyetem, Gyogyszertani Intezet) TITLE: Effect of vagal stimulation and acetylcholine on the susceptibility to fibrillation of the mammalian heart at different body temperatures SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, no. 3, 1965, 277-286 TOPIC TAGS: cardiovascular system, hypothermia, cat, pharmacology ABSTRACT: The effect of stimulation of the right peripheral vagal stump as well as that of acetylcholine injection or infusion on the fibrillation threshold of the auricles and ventricles has been studied in anesthetized cats as well as in the isolated Langendorff heart of cats, at different body and perfusion fluid temperatures. The lowering of fibrillation thresholds by vagal stimulation or acetylcholine was more pronounced at lower body temperatures, i.e. hypothermia increased the sensitivity of the myocardium to vagal influence. In addition, arrhythmia and ventricular fibrillation upon vagal stimulation, acethylcholine infusion or injection appeared more frequently at lower than at normal body temperatures. These are only valid for the arrhythmogenic and fibriliatory vagal effects since the intensity of the negative chronotropic action of vagal stimulation and of acetylcholine injections is definitely diminished by hypothermin. The possible interpretations of this discrepancy and the mechanism of the enhanced fibrillatory effect of acetylcholine and vagal stimulation in hypothermia are discussed. Orig. art. has: 2 figures and 5 tables. SUB CODE: 06 / SUBM DATE: 20Dec63 / Cord 1/1 MLP Orig. art. in Eng.] [JPRS]
ORIG REF: OO1 OTH REF: 0581

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001654430001-7

L 05720-67 SOURCE CODE: HU/2505/65/026/003/0287/0295 ACC NR: AT6031832 AUTHOR: Szekeres, Laszlo-Sekeresh, L.; Hideg, Kalman-Khideg, K.; Hankovszky, 8 -/ Olga H.--Khankovski, O. Kh.; Papp, Gyula-Papp, D. ORG: Institute of Pharmacology, Medical University of Pecs, Pecs (Pecsi Orvostudomanyi Egyetem, Gyogyszertani Intezet) TITLE: N-(omega-aminoalkyl)-phthalimide derivatives, a new group of compounds with antifibrillatory action SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, no. 3, 1965, 287-295 TÓPIC TAGS: organic imide compound, nonmetallic organic derivative, tertiary amine, alkyl group, pharmacology, toxicology, circulatory drug Using the procaine amide structure as a starting point, a new group of drugs, the ABSTRACT: alkylamine substituted phthalimide derivatives, have been developed which possess antifibrillatory activity. With the phthalimide radical left unchanged, the effect of modifications in the tertiary amine group and in the length of the alkyl chain on the antifibrillatory activity of these derivatives has been studied. A substitution of diethylamine, dimethylamine or a morpholine group in the tertiary amine had no effect, while substitution by a piperidine group resulted in a marked antifibrillatory Card 1/2 0555 0919

activity which increased and hypotensive effect also markedly increased N-methylpiperidine composed 1.7 times more potent				
fibrillation than quinidal Orig. art. has: 4 figure	in auricular and 2. ine and its toxicity	groups in the 5 times more was only 1.6	chain proved potent in ven	to tricular
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LISSAK, K.; SZEKERES, V.

Histamine content in various neural elements. Magy. belorv. arch
3 no.3:137-138 1950. (CIMI 25:5)

1. Doctor for Lissak. 2. Institute of Physiology (Director -- Prof.

Dr. Kalman Lissak), Pecs University.

SZEKERKA, P.; KALDOR, N.

SZEKERKA, P.; KALDOR, N. Ultrasonic testing of the quality of glued wood. p. 304

Vol. 5, No. 11, Nov. 1955 Budapest, Hungary FAIPAR

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5 No. 3, March, 1956

SZEKERKE, M.

SARY, D.; SZEKEPKE, K.

Histidine determination in human serum and urine, with special to essential hypertension. Zschr. inn. Led. 36 no.3:103-7 Ear. (CLL 28:2)

l. Of the Second Redical Clinic (Director—Prof.E. Haynal, E.D.) of the Institute of Organic Chemistry (Director—Gyozo Bruckner, E.D.) of Ectvos Lorant University of Budapest.

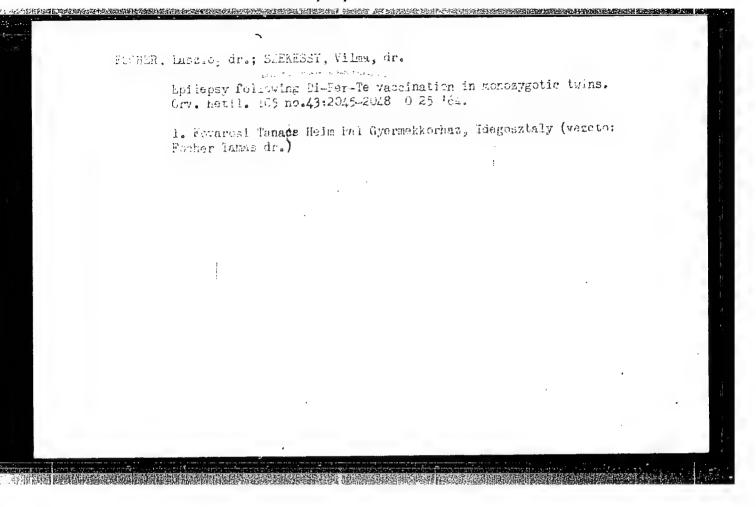
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SZEKERKE, Maria

An account of my study trip to England. Kem tud kozl MTA 22 no.2: 287-288 164.

1. Chair of Organic Chemistry, Lorand Ectvos University, Budapest, and Research Group of Polypeptide Chemistry, Hungarian Academy of Sciences, Budapest.

HU/2502/64/041/003/0337/0340 01053--56 AT5022335 ACCESSION NR: AUTHOR: Szekerke, Maria (Sekerke, M.) (Budapest) TITLE: Synthesis of Di- and oligopeptides from beta-chloroalanine SOURCE: Academiae scientiarum hungaricae. Acta chimica, v. 41, no. 3, 1964, 337-340 TOPIC TAGS: chlorinated organic compound, organic synthetic process, ester Abstract: [German article; author's English summary, modified] DL-βchloroalanine benzylester hydrochloride was converted with DL-carbobenzoxy-β-chleroalanine by the carbodiimide method into the protected dipeptide derivative of N-carbobenzoxy-DL-β-chlorocalanyl-DL-β-chloroalanine benzylester. The hydrogenolysis of the derivative gave (+)-8chloroalanyl-8-chloroalanine. The poly-DL-, D-, and L8-chloroalanine derivatives were prepared by the polymerization of Leuchs anhydrides of corresponding configuration initated by ammonia. Orig. art. has 2 formulas. ASSOCIATION: Institut fur Organische Chemie der L. Eotvos Universitat, Budapest (Institute of Organic Chemistry, L. Fotvos University) SUB CODE: OC. GC SUBMITTED: 22May64 **JPRS** OTHER: 007 NO REF SOV: 000 Card 1/1/1/



L 47527-66 HU/2502/66/047/002/0231/0238 ACC NR: AT6035009 SOURCE CODE: AUTHOR: Szekerke, Maria--Sekerke, M. (Doctor) Kajtar, Maria T.--Kaytar, M. T. and Bruckner, Viktor-Brukner, V. (Professor, Doctor) of the Institute for Organic Chemista at L. Ectvos University in Budapest. "Synthetic Cyclic N-Lost Derivatives from B-Substituted Serines, Cysteine, and Lysine" Budapest, Acta Chimica Academiae Scientiarum Hungaricae, Vol 47, No 2, 1966, pp 231-238. Abstract: [German article; authors' English summary modified] To study the effect of the carrier molecule on the biological activity of the same cytotoxic group, DL-B-serine esters of three and erythro configuration, DLthreo-B-hydroxyglutamine acid diethylester, L-cysteine ethylester, and DL-lysine ethylester were converted into cyclic N-lost derivatives with the aid of N, N-bis-(β-chloroethyl)-phosphoric acid amide dichloride. The compounds are now being tested for pathological behavior at Chester Beatty Research Institute, Institute of Cancer Research; Royal Cancer Hospital, in London Mrs. G. Nemeth gave technical assistance with the experimental work. Mr. F. Ruff performed the IR spectrum at this institute. Mrs. H. M.-Schweiger, Mrs. S. Kutassy, and Mrs. J. Kajter carried out the microanalysis in the microanalysis laboratory of this institute. [JPRS: 36,002] TOPIC TAGS: animo acid. nonmetallic organic derivative, ester SUB CODE: 07,06 / SUBM DATE: 19 Oct 65 / ORIG REF: 001 / OTH REF: 011 0921

SZEKESSY, V.

New species of Strepsiptera in Hungary. In German. p. 279. Vol. 6, 1955

NAGYAR NEMZETI MUZEUM TERMESZETTUDOMANYI MUSEUM EVKONYVE. ANNALES MISTORICONATURALES MASEI NATIONALIS HUNGARICI. Budapest, Hungary.

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

STEKESSY, V.

On the hundredth birthday of Lajos Biro, Hungarian explorer of New Guinea. In German. p.7.
(Magyar Nemzeti Muzeum Termeszettudomanyi Muzeum evkonyve, Vol. 7, 1956, Eudapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

An account of the nucleic acid conference, the plans of the Biochemical Department, and the demonstration of instruments. p. 187 (Ea,yar Kemikusok Lapja. Vol. 12, no. 5/6, Fay/June 1957, Budapest, Hungary) (Konthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

SZEKESSY, VILMOS

SCIENCE

SZEKESSY, VIIMOS. Homokfutrinkak. Gicindelidae. Budapest, Akademiai Kiado, 1953. 25p. (Nagyarorszag allatvilaga. Fauna Hungariae. Goleoptera I, 6.kot., 2. fuzet) Band bettles. illus.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 5, May 1959, Unclass.

SZEKESSY, Vilmos, a biologiai tudomanyok doktora

The fauna research symposium and its lessons. Magy tud 68 no.11: 695-696 N 161.

1. Foigazgato, Termeszettudomanyi Muzeum, Budapest.

1

(Zoology) (Hungarian Academy of Sciences)

SZEKESSY, Vilmos, Dr.

The Museum of Natural Sciences and its activities. Term tud kozl 6 no.2:71-73 F 162.

1. Foigazgato, Termeszettudomanyi Muzeum, Budapest

SZEKESSY, Vilmos, dr.

Trials of insects once and today. Term tud kozl 6 no.8:344-346 Ag '62.

1. Termeszettudomanyi Muzeum foigazgatoja, Budapest.